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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Pantoliano *et al.*

Appl. No. 10/057,940

Filed: January 29, 2002

For: **High Throughput Method For
Functionally Classifying
Proteins Identified Using a
Genomics Approach**

Confirmation No. 4865

Art Unit: 1627

Examiner: *To be assigned*

Atty. Docket: 1503.0310002/JAG/JSO

Second Supplemental Information Disclosure Statement

Commissioner for Patents
Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Second Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' First Information Disclosure Statement filed herewith in connection with the above-captioned application. A copy of each document is also provided.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



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Attorney for Applicants
Registration No. 39,321

Date: July 5, 2002

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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 1503.0310C02	APPLICATION NO. 10/057,940
	APPLICANT Pantoliano et al.	
	FILING DATE January 29, 2002	GROUP 1627

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
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	AH						
	AI4	4,859,609	06/22/1989	Dull et al.	436	501	04/30/1986
	AJ4	5,096,807	03/17/1992	Leaback	435	6	12/01/1989
	AK4	5,200,504	04/06/1993	Ghadiri	530	304	10/02/1990

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO3	WO 92/03542 A1	03/05/1992	WIPO			Yes No
	AP3	EP 0 512 334 B1	11/11/1992	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	49	Friguet, B., et al., "Immunochemical analysis of protein conformation," in: <i>Protein Structure: A Practical Approach</i> , Creighton, T.E., ed., IRL Press at Oxford University Press, Oxford, England, pp. 287-310 (1989).
	AS	49	Grant, S.K. et al., "Use of Protein Unfolding Studies to Determine the Conformational and Dimeric Stabilities of HIV-1 and SIV Proteases," <i>Biocchemistry</i> 31:9491-9501, American Chemical Society (1992).
	AT	49	Hart, L.A., et al., "A High-Performance System for Automation of the Polymerase Chain Reaction," <i>BioTechniques</i> 10:104-103, 106-110, Eaton Publishing Co. (1991).

EXAMINER	DATE CONSIDERED
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA5	5,415,839	05/16/1995	Zaun et al.	422	64	10/21/1993
	AB5	5,506,097	04/09/1996	Potter et al.	435	4	01/10/1994
	AC5	6,291,191 B1	09/18/2001	Pantoliano et al.	435	7.1	12/02/1999
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL3	EP 0 613 007 A2	08/31/1994	Europe			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AP	<u>50</u>	Harrington, J.P., "Spectroscopic Analysis of the Unfolding of Transition Metal-Ion Complexes of Human Lactoferrin and Transferrin," <i>Int. J. Biochem.</i> 24:275-280, Pergamon Press (1992).
	AS	<u>50</u>	Higuchi, R., et al., "Simultaneous Amplification and Detection of Specific DNA Sequences," <i>Bio/Technology</i> 10:413-417, Nature Publishing Co. (1992).
	AT	<u>50</u>	Kennedy, M.W. et al., "The ABA-1 Allergen of the Parasitic Nematode <i>Ascaris suum</i> : Fatty Acid and Retinoid Binding Function and Structural Characterization," <i>Biochemistry</i> 34:6700-6710, American Chemical Society (1995).

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	AL						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	51	Kikuchi, T., et al., "Measurement of Chemiluminescence from Neutrophils in a 96-Well Microplate using Lumi Box U-800 II," <i>J. Biolum. Chemilum.</i> 12:149-153, John Wiley & Sons, Ltd. (May 1997).
	AS	51	Nilsson, B., "Proper and Improper Folding of Proteins in the Cellular Environment," <i>Annu. Rev. Microbiol.</i> 45:607-635, Annual Reviews, Inc. (1991).
	AT	51	Pan, P., "3-Site Covalent Reactions Trigger Transitions between Open and Closed Conformations of the Tryptophan Synthase Holoenzyme Complex," <i>Biochemistry</i> 35:5002-5013, American Chemical Society (1996).

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AF	52	Randall, L.L., "Peptide Binding by Chaperone SecB: Implications for Recognition of Nonnative Structure," <i>Science</i> 257:241-245, American Association for the Advancement of Science (1992).
	AS	52	Rosengart, T.K., et al., "Heparin Protects Heparin-Binding Growth Factor-I from Proteolytic Inactivation <i>In Vitro</i> ," <i>Biochem. Biophys. Res. Commun.</i> 152:432-440, Academic Press, Inc. (1988).
	AT	52	Sackett, D.L. et al., "Local Unfolding and the Stepwise Loss of the Functional Properties of Tubulin," <i>Biochemistry</i> 33:12668-12678, American Chemical Society (1994).

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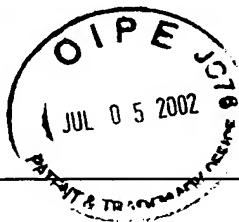
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	53	Tanigaki, N. et al., "Unfolded HLA Class I α Chains and Their Use in an Assay of HLA Class-I-Peptide Binding," <i>Hum. Immunol.</i> 36:119-127, Elsevier Science (1993).
	AS	53	Volkov, D.B. and Flibanov, A.M., "Mechanism of Thermoinactivation of Immobilized Glucose Isomerase," <i>Biotech. Bioengin.</i> 33:1104-1111, John Wiley & Sons, Inc. (1989).
	AT	53	Petrella, E., "A Miniaturized Thermal Shift Assay Technology for Directly Evaluating Targets Derived from Genomics," poster presented at the Society for Biomolecular Screening Annual Meeting, Edinburgh, Scotland (September 1999).

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AP	54	Molecular Probes, Inc. website search results for "dapoxyl," 11 pages (March 1998).
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	AT		

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